

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Kouichiro INOMATA et al.**

Serial No.: **Not yet assigned**  
**(§371 of international application No. PCT/JP2003/015888)**

Filed: **June 10, 2005**

For: **SPIN INJECTION DEVICE, MAGNETIC APPARATUS USING  
THE SAME, AND MAGNETIC THIN FILM USED FOR THEM**

Attorney Docket Number: **052684**  
Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

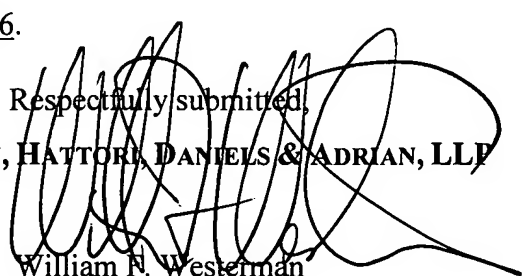
Date: June 10, 2005

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. A copy of each non-U.S. document is enclosed herewith.

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Respectfully submitted,  
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Enclosure: PTO/SB/08, 7 documents and international search report.

Combined Form PTO/SB/08A&B  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	New Application <b>10/4538689</b>
				Confirmation Number	
				Filing Date	June 10, 2005
				First Named Inventor	Kouichiro INOMATA et al.
				Art Unit	
Examiner Name		Attorney Docket Number	052684		
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
	1	US 2003/0011944 A1		01-16-2002	Masanori Hosomi
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	2	EPO	1 085 586 A2		03-21-2001	Kabushiki Kaisha Toshiba. (Cited in the int'l. search report)	Yes
	3	JP	2002-92824		03-29-2002	Hitachi Ltd. (Cited in the int'l. search report)	Abstract

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>	
	4	T. MIYAZAKI et al.; “Spin polarized tunneling in ferromagnet / insulator / ferromagnet junctions” ELSEVIER, Journal of Magnetism and Magnetic Material, Vol. 151, (1995), pp.403-410. (Cited in the specification)		
	5	J. C. SLONCZEWSKI; “Current-driven excitation of magnetic multilayers”, ELSEVIER, Journal of Magnetism and Magnetic Material, Vol. 159 (1996), pp.L1-L7. (Cited in the specification).		
	6	J. A. KATINE et al.; “Current-driven magnetization reversal and spin-wave excitations in Co/Cu/Co Pillars”, Physical Review Letters, Vol. 83, No. 14, April 3, 2000, pp.3149-3152. (Cited in the spec.)		
	7	T. AMBROSE et al.; “Magnetic properties of single crystal Co <sub>2</sub> MnGe Heusler alloy films”, Journal of Applied Physics, Vol. 87, No. 9, May 1, 2000, pp.5463-5465. (Cited in the specification).		
	8	T. BLOCK et al.; “Spin polarized tunneling at room temperature in a Heusler Compound – A non-oxide material with a large negative magnetoresistance effect in low magnetic fields” J. Appl. Phys. 76. (Cited in the specification).		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.